

IDS Filed  
07/23/2007

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09/22/2007

(Modified) PTO/SB/08A-B (10-96)  
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Substitute for form 1449A-B/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)	Complete if Known	
	Application Number	<del>09704469</del> 10/886,945
	Filing Date	November 1, 2000 10/16/03
	First Named Inventor	Erik Karrer
	Group Art Unit	Unassigned 1631
	Examiner Name	Unassigned DeJong
	Attorney Docket Number	02-102020US - 0241 US 320

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
/E.D./	AA	09/407,800		Maxygen, Inc.	09-28-1999	
/E.D./	AB	09/408,392		Maxygen, Inc.	09-28-1999	
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/E.D./	AF	4,634,664		Engelman et al.	01-06-1987	
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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
/E.D./	AK	WO	00/00632	A1	Phylos, Inc	01-06-2000		
/E.D./	AL	WO	00/09676	A1	Proteus	02-24-2000		
/E.D./	AM	WO	00/42560	A2	Maxygen, Inc.	07-20-2000		
/E.D./	AN	WO	00/42560	A3	Maxygen, Inc.	07-20-2000		
/E.D./	AO	WO	00/42561	A2	Maxygen, Inc.	07-20-2000		
/E.D./	AP	WO	00/42561	A3	Maxygen, Inc.	07-20-2000		
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/E.D./	AR	WO	00/46344	A3	Diversa Corp.	08-10-2000		
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/E.D./	AT	WO	95/22625	A1	Stemmer	08-24-1995		
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Examiner Signature	/Eric DeJong/	Date Considered	09/22/2007
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	Attorney Docket Number	02-102020US 0241us 320

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/E.D./	AX	Balint and Larrick (1993) "Antibody Engineering by Parsimonious Mutagenesis." <i>Gene</i> 137:109-118	
/E.D./	AY	Chothia and Lesk (1987) "Canonical Structures for the Hypervariable Regions of Immunoglobulins." <i>J Mol Biol.</i> 196:901-917	
/E.D./	AZ	Giver et al. (1998) "Combinatorial protein design by in vitro recombination." <i>Current Opinion in Chemical Biology</i> 2(3): 335-338.	
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/E.D./	BB	Hawkins et al. (1992) "Selection of phage antibodies by binding affinity. Mimicking affinity maturation." <i>J. Mol Biol.</i> 226:889-896	
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/E.D./	BD	Huse et al. (1989) "Generation of a Large Combinational Library of the Immunoglobulin Repertoire in Phage Lambda." <i>Science</i> 246:1275-1281	
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/E.D./	BI	Marks et al. (1992) "By-Passing Immunization: Building High Affinity Human Antibodies by Chain Shuffling." <i>Biotechniques</i> 10:779-782	
/E.D./	BJ	Schier and Marks (1996) "Efficient in vitro affinity maturation of phage antibodies using BIAcore guided selections." <i>Hum Antibodies Hybridomas</i> 7:95-105	
/E.D./	BK	Stemmer et al. (1993) "Selection of an Active Single Chain Fv Antibody From a Protein Linker Library Prepared by Enzymatic Inverse PCR." <i>Biotechniques</i> 14(2):256-265	
/E.D./	BL	Stemmer et al. (1995) "Single-step assembly of a gene and entire plasmid from large numbers of oligodeoxy-ribonucleotides." <i>Gene</i> 164:49-53	
/E.D./	BM	Stemmer et al. (1997) "Molecular evolution of genes and pathways by DNA shuffling." <i>FASEB J.</i> 11:A1124	
/E.D./	BN	Ward et al. (1989) "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli." <i>Nature</i> 341:544-546	

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		Attorney Docket Number	<del>02-102020US</del> 0241 US 320
/E.D./	BO	Winter et al. (1994) "Making Antibodies by Phage Display Technology." <i>Annu Rev. Immunol</i> 12:433-455	
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